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FIG. 1A

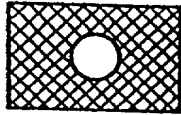


FIG. 1B

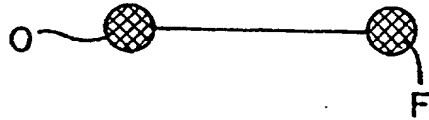


FIG. 1C

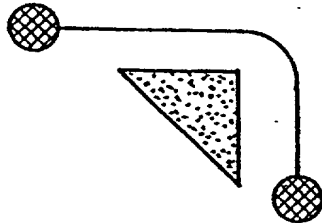


FIG. 1D



FIG. 1E

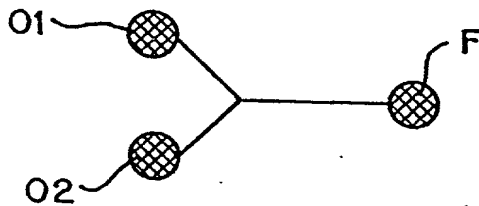


FIG. 1F

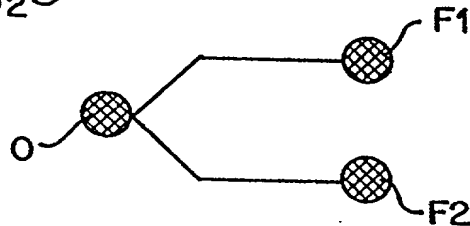


FIG. 1G

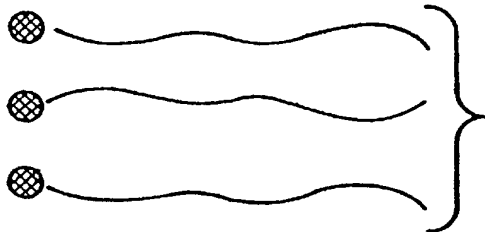
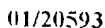


FIG. 1H

FIG. 1A



The image displays a highly textured, high-contrast black and white surface. It appears to be a close-up of a material with a complex, irregular pattern, possibly a book cover or endpaper. A vertical strip of lighter, more uniform material is visible along the left edge, suggesting a hinge or a different section of the cover. The main area is filled with a dense, mottled pattern of black and white, with some darker, more solid-looking regions interspersed among the lighter, more textured areas. The overall effect is one of a rough, aged, or perhaps metallic surface.

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COINTEGRATION

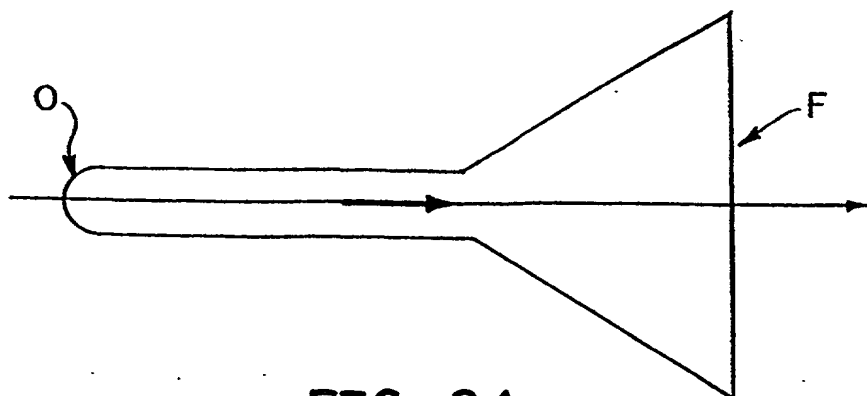
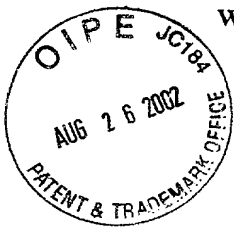


FIG. 3A

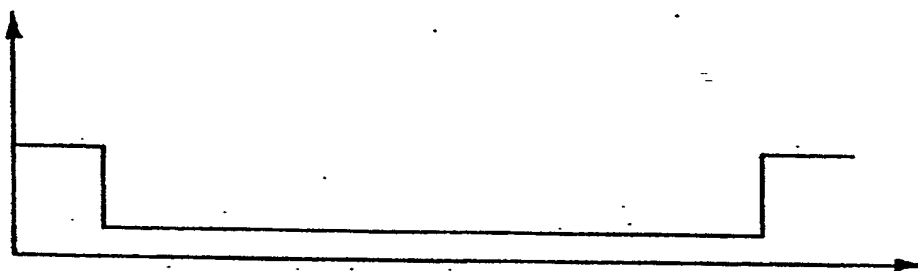
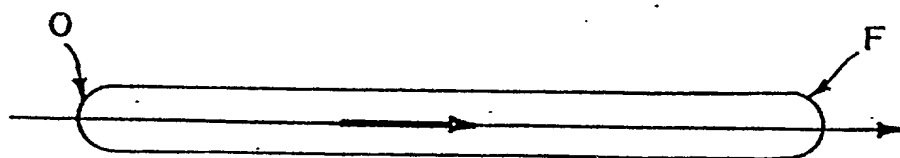


FIG. 3B





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FIG. 3C

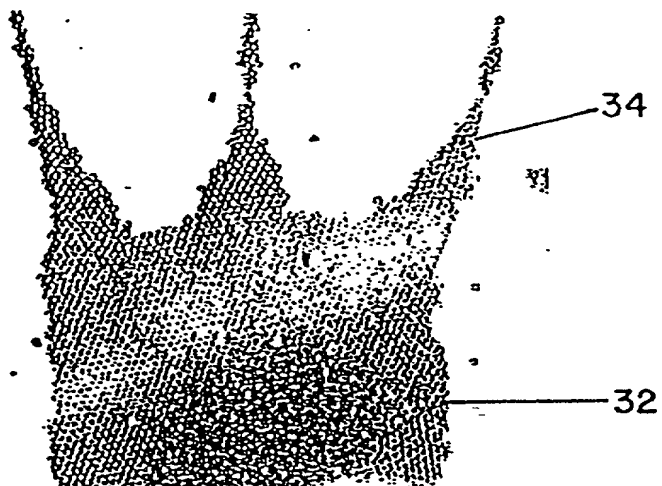
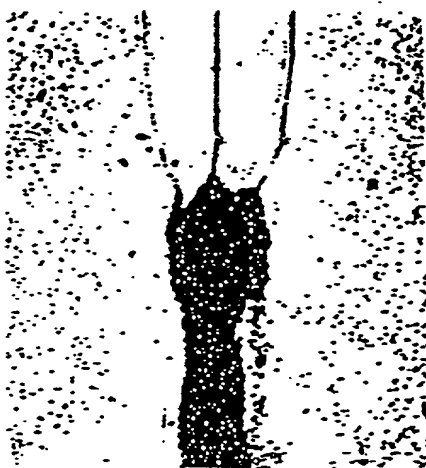


FIG. 3D



Pub. No. 40552004



FIG. 4A

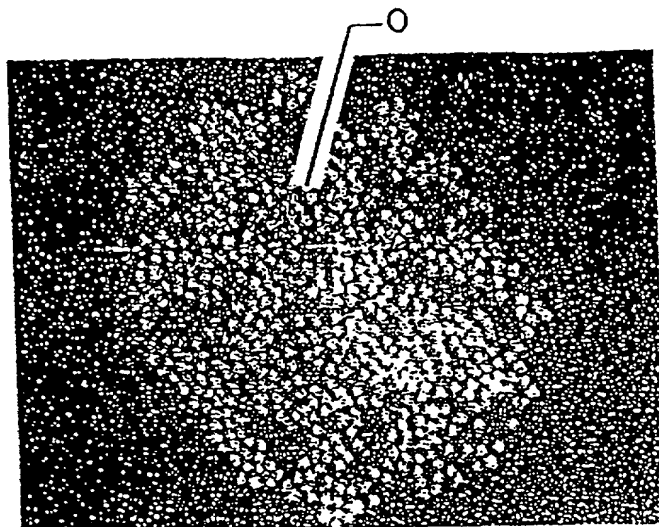
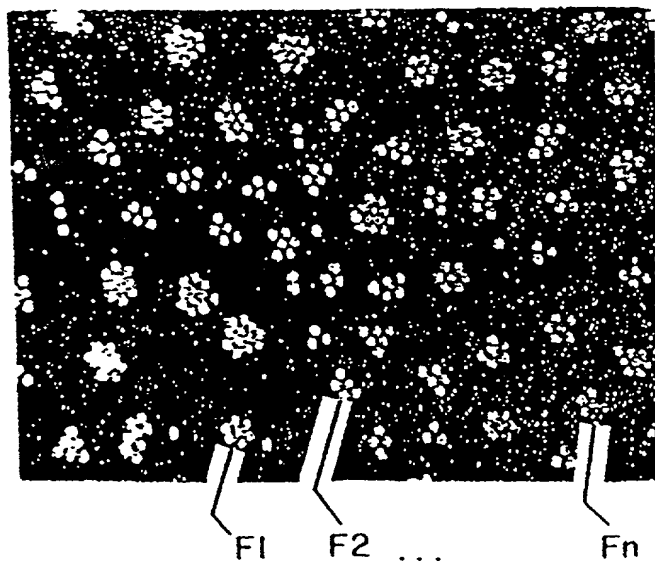


FIG. 4B



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FIG. 5

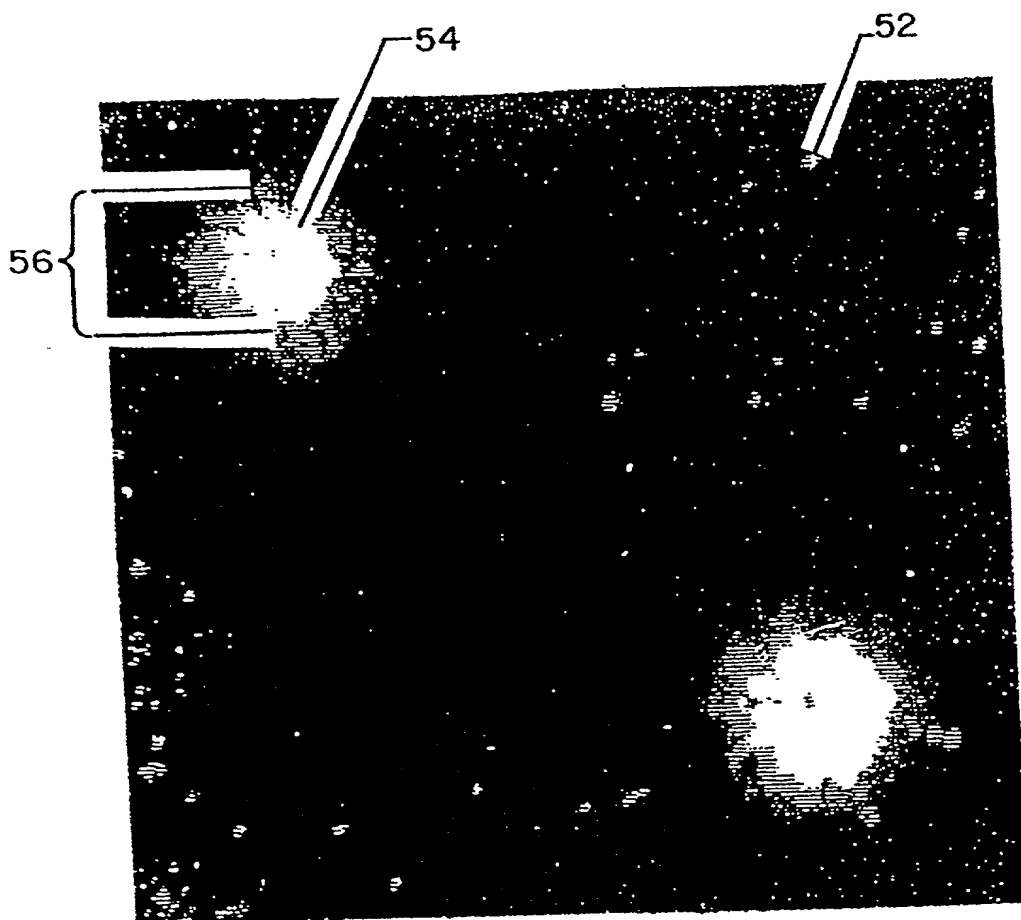


FIG. 7

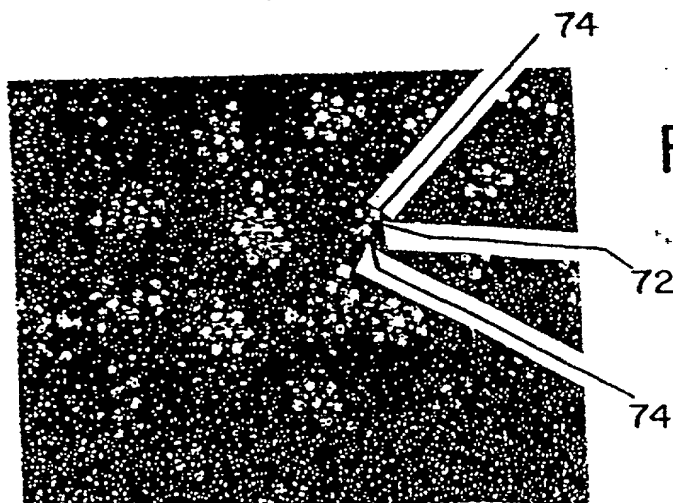




FIG. 6A

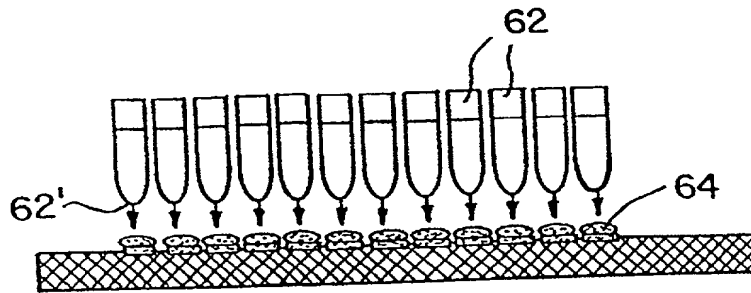


FIG. 6B

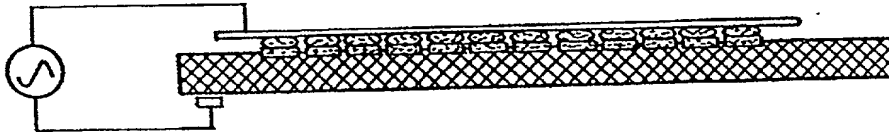


FIG. 6C

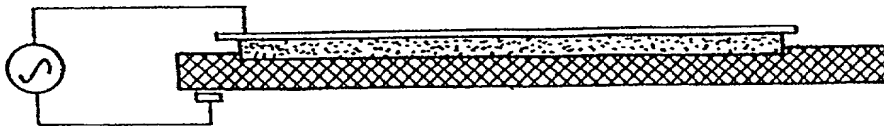
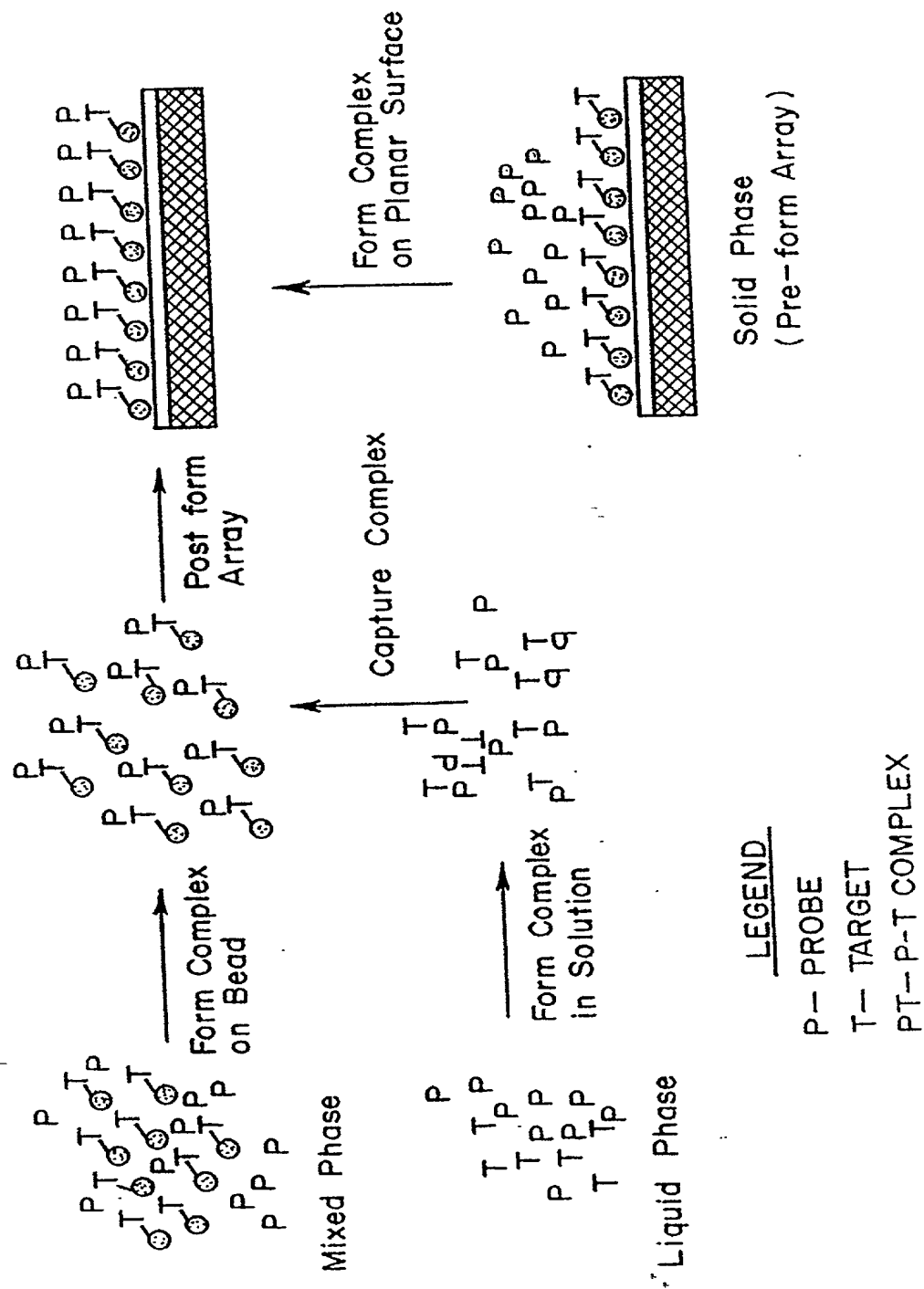


FIG. 8





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FIG. 9A

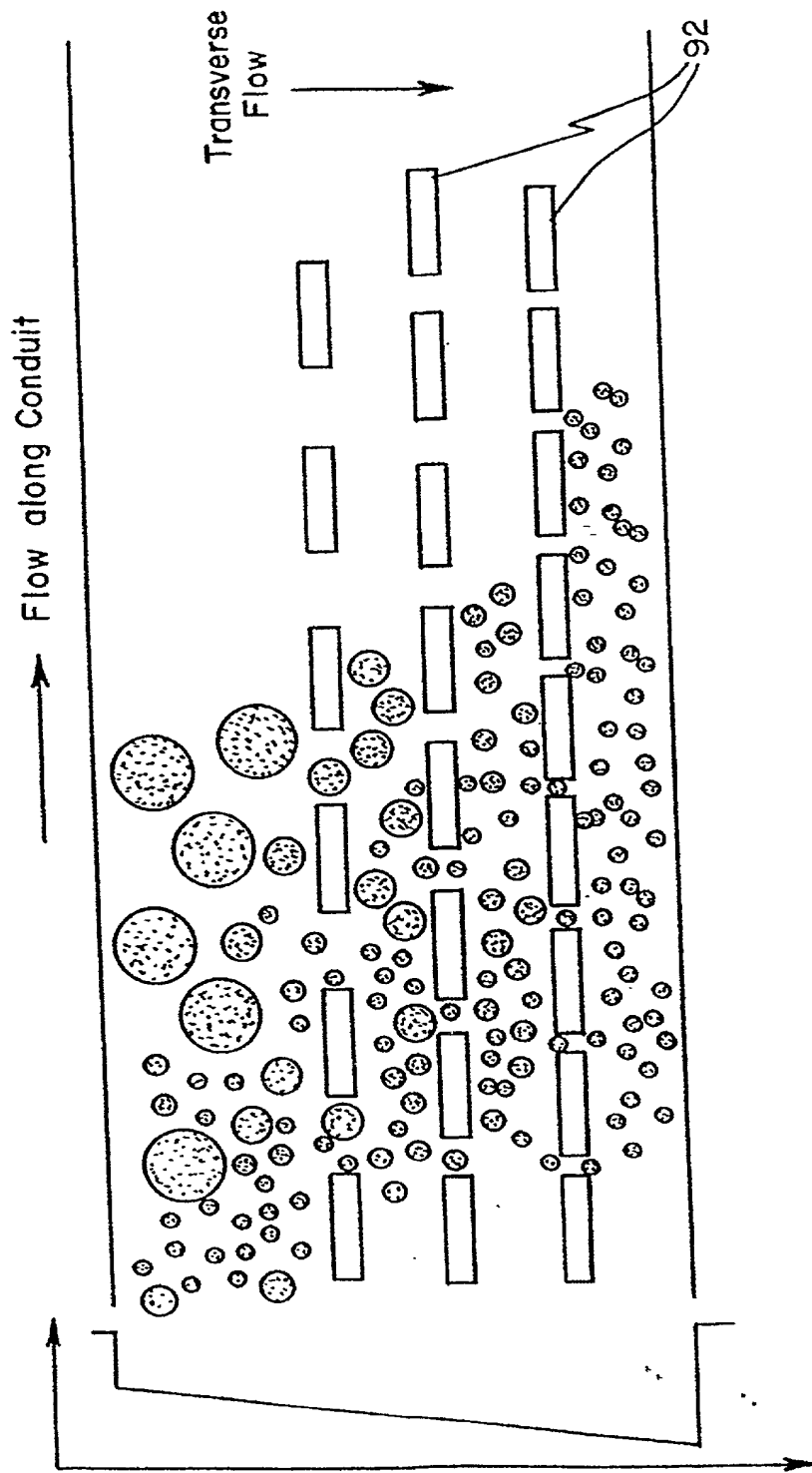




FIG. 9B

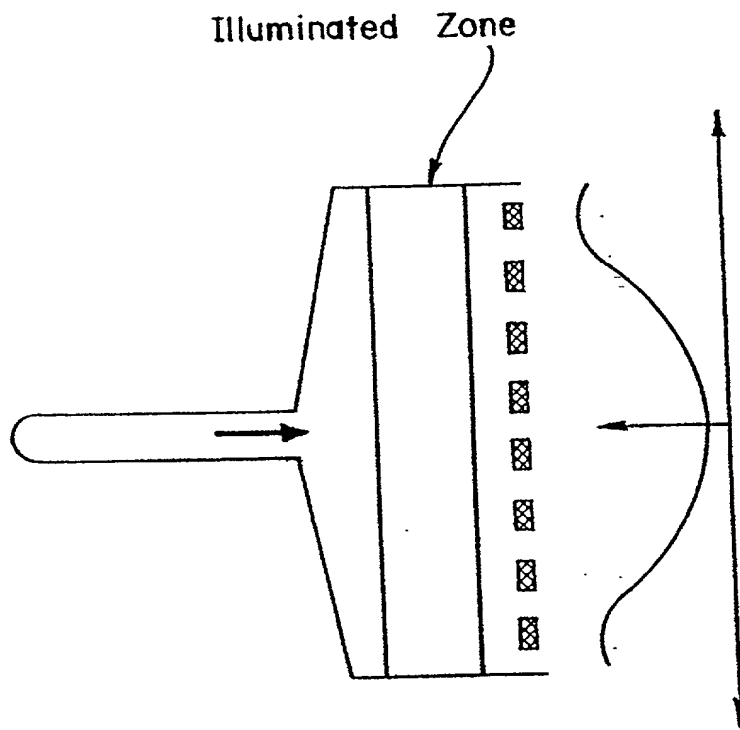


FIG. 9C



Fig. 10

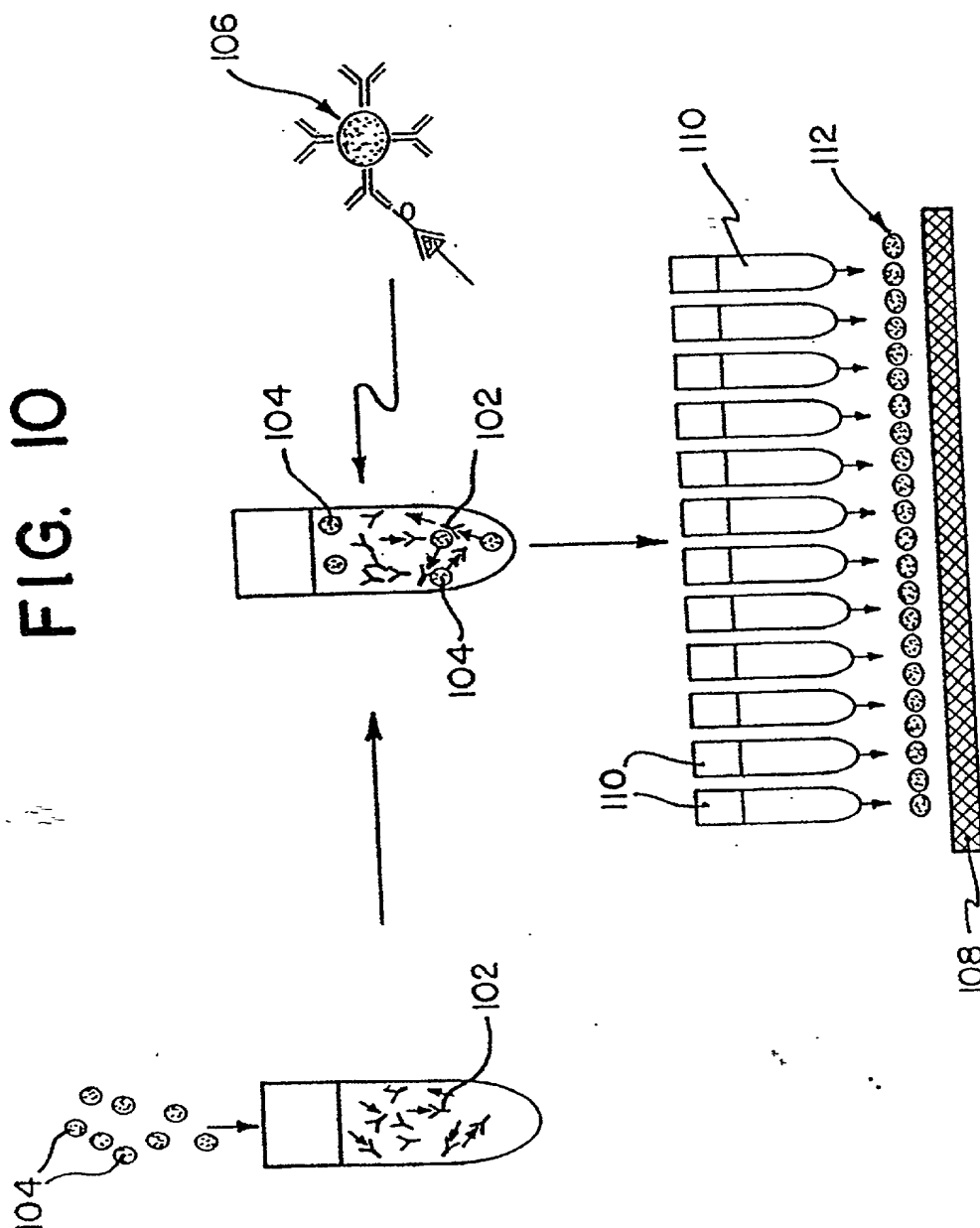


FIG. 11A

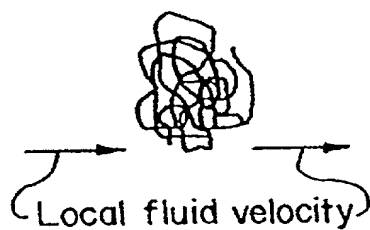


FIG. 11B

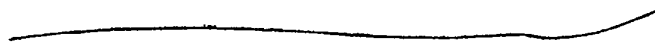


FIG. 11C

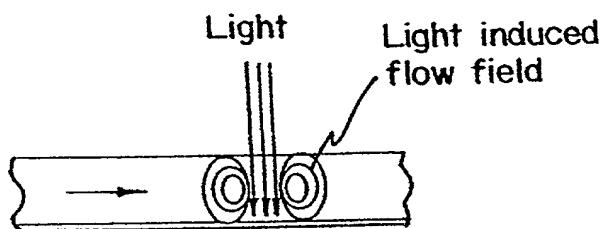


FIG. 11D

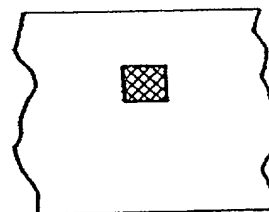
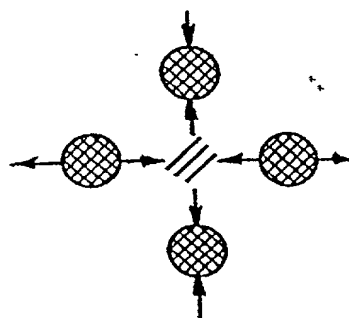


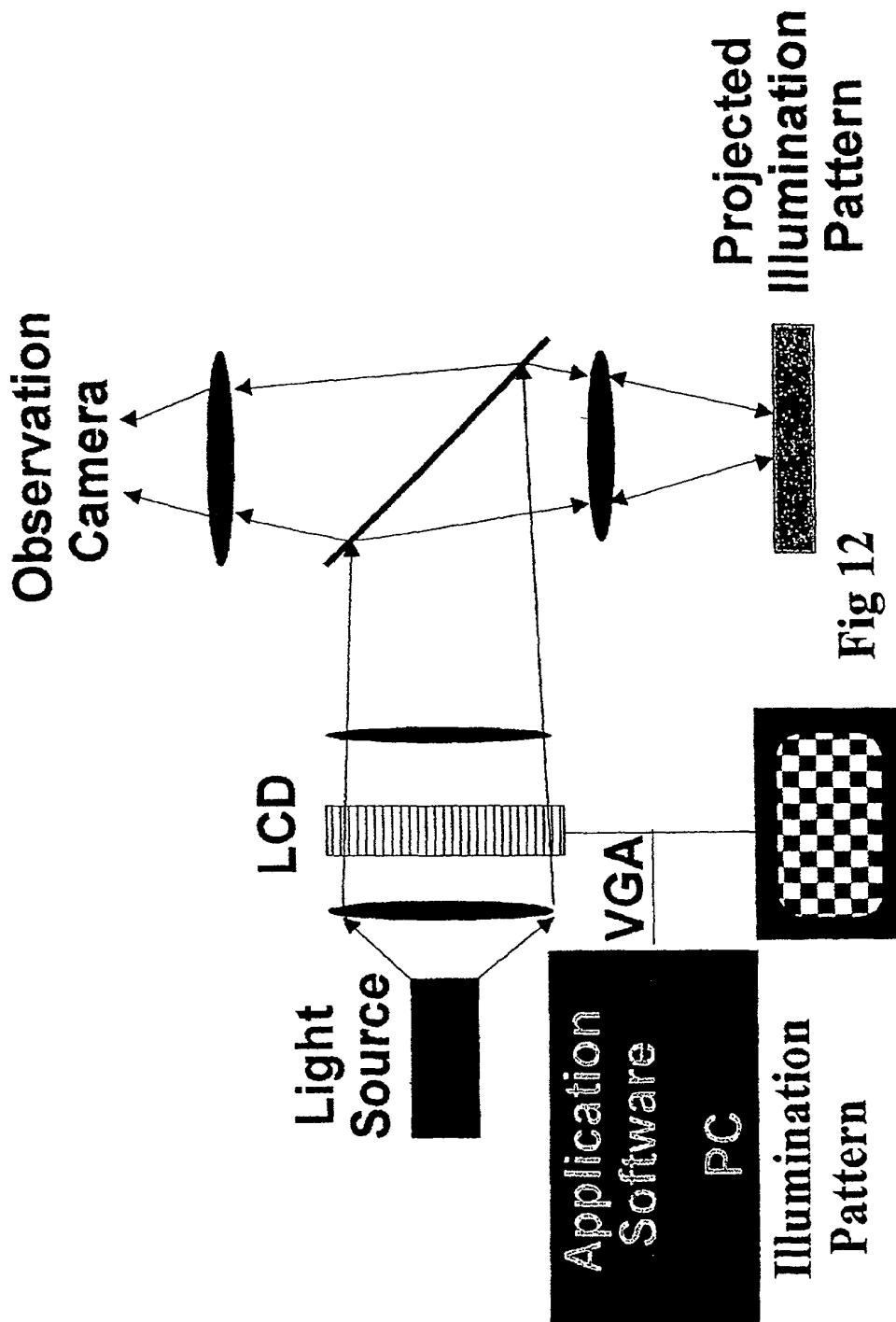
FIG. 11E





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ILLUMINATION PATTERN GENERATOR



LCD-PARSE OPTICAL DESIGN

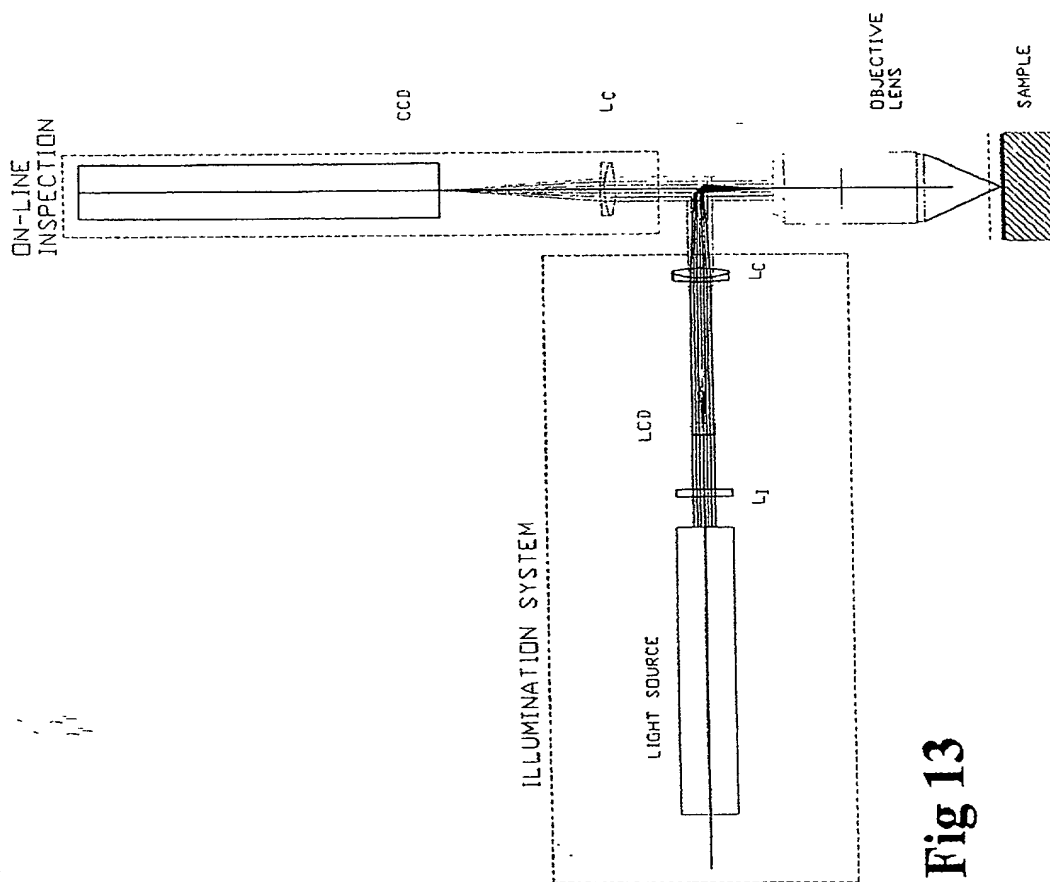
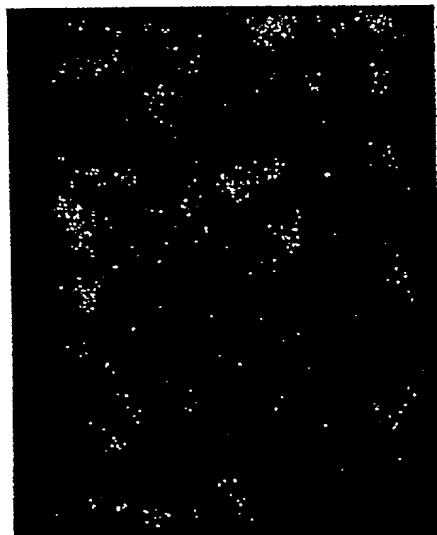


Fig 13

FIG. 14A

ARRAY SHAPE ADJUSTMENTS

CIRCLE



HORIZONTAL. LINE

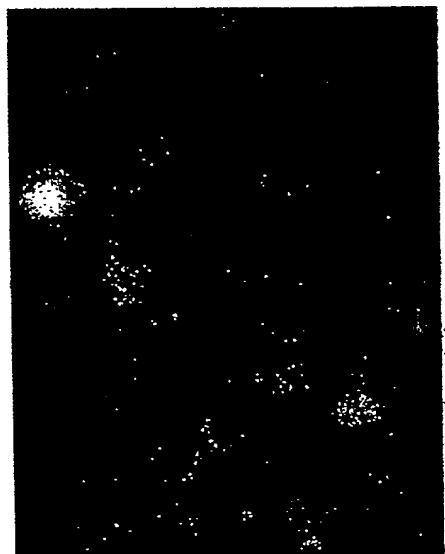


FIG. 14C

FIG. 14A



VERTICAL LINE

FIG. 14D



SQUARE





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COLLECTED PARTICLES

COLLECTION AND ARRAY ASSEMBLY

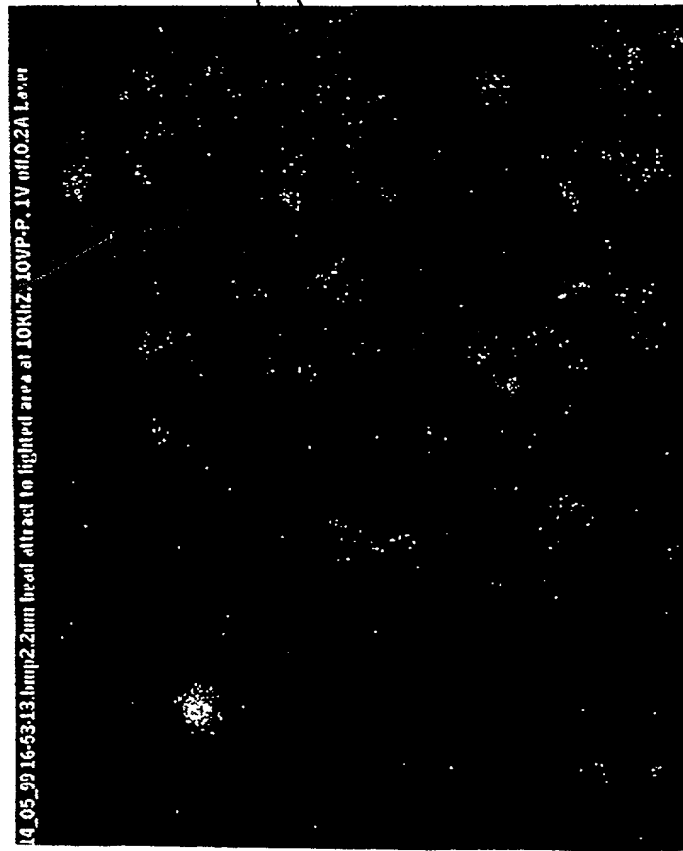


FIG. 15A

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EXPULSION AND CONFINEMENT

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FIG. 15B

DRAW AND DROP

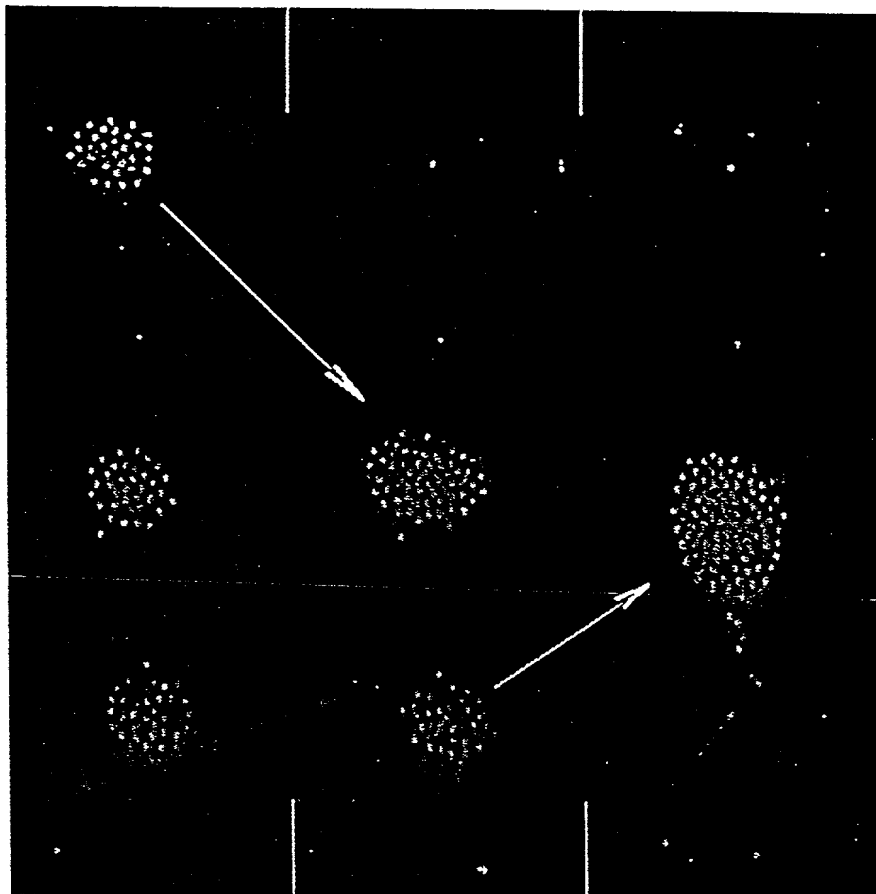


Figure 16

Dynamic Bead Array with Labeled Subarray

Illumination of Subarray Boundary

Array Segmentation

Figure 17

ONLY FOR THE USE OF THE PATENT OFFICE



LCD PARSE

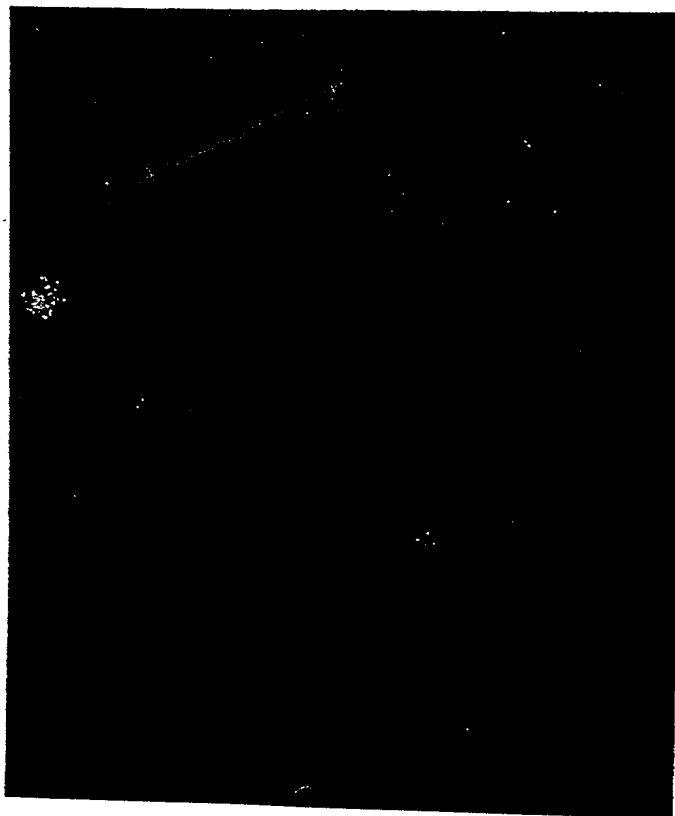


FIG. 18A



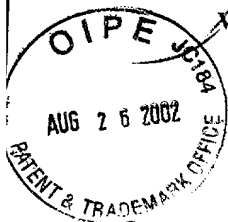
FIG. 18B

0 0 0 0 0 0 0 0 0 0

—



Figure 19



FRACTIONATION

Differential Frequency Dependence of Particle Expulsion
(NOTE: ω_c denotes a characteristic frequency)

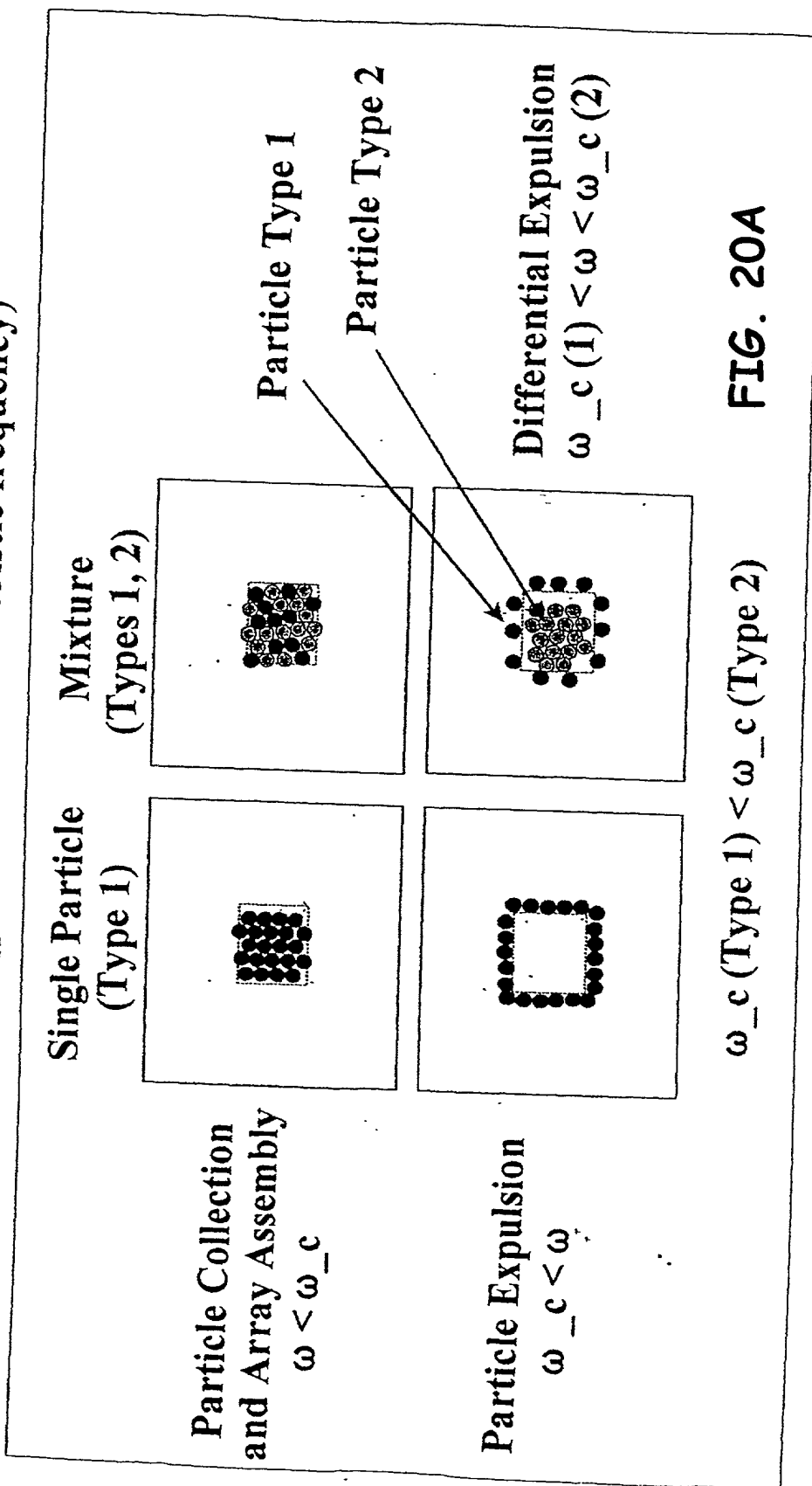


FIG. 20A

$\omega_c(\text{Type 1}) < \omega_c(\text{Type 2})$

FRACTIONATION





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FIG. 21A

LCD PARSE

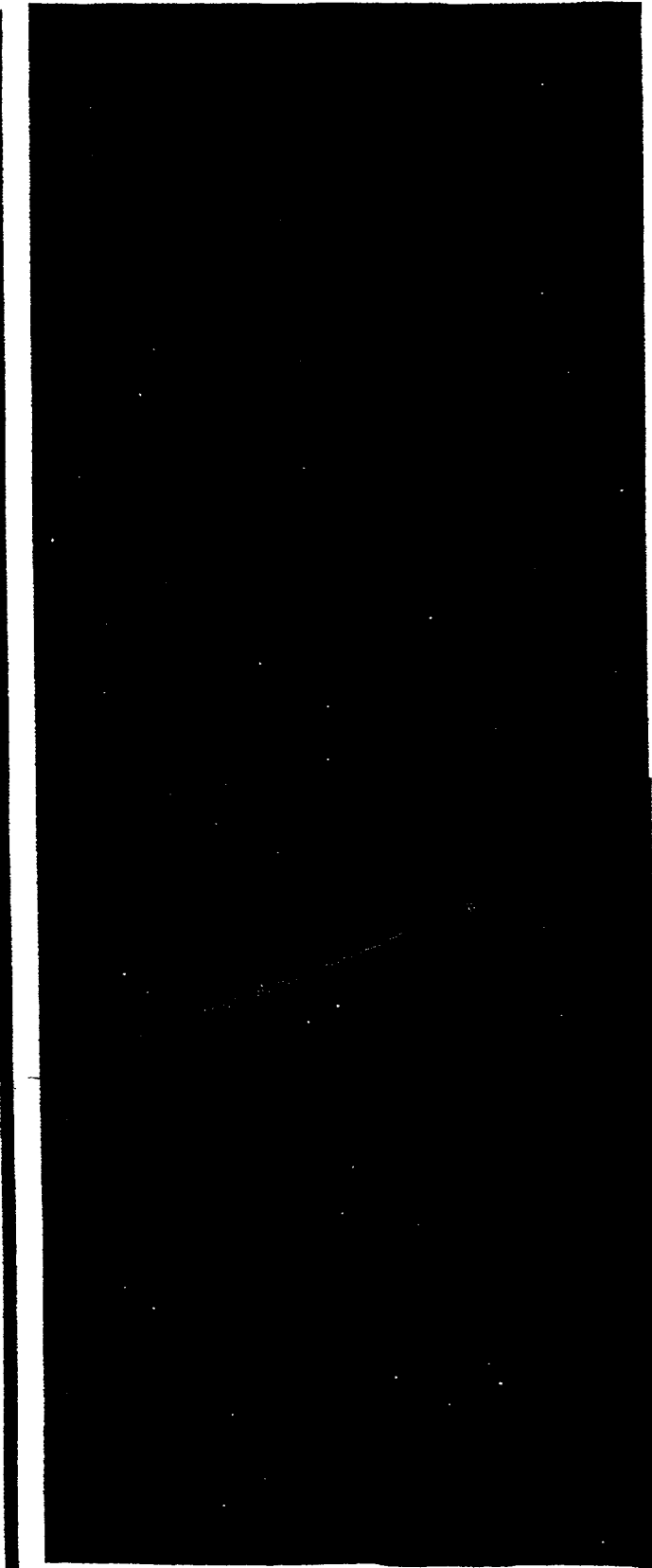


FIG. 21B

FIG. 21A

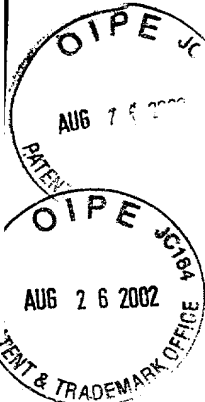
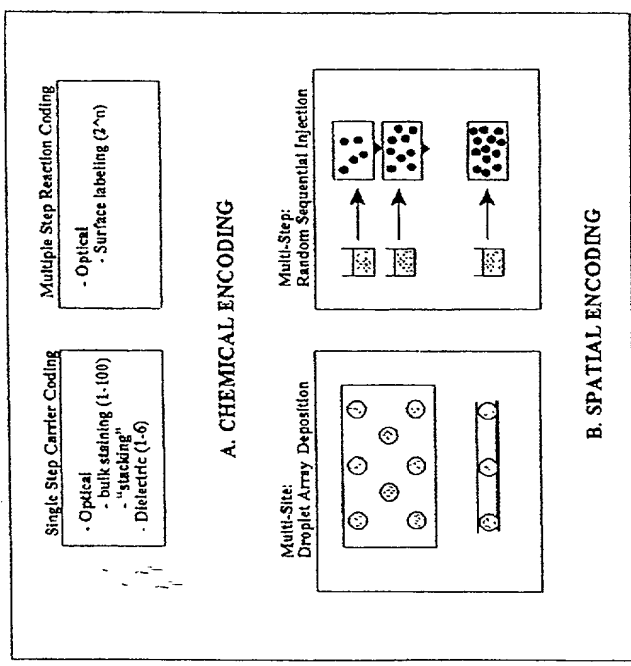


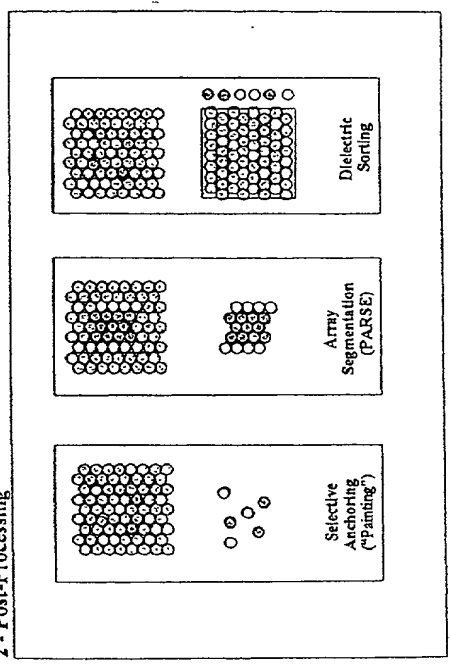
FIG. 22A

FIG. 22B



1 - Pre-Processing

2 - Post-Processing



RANDOM SEQUENTIAL INJECTION

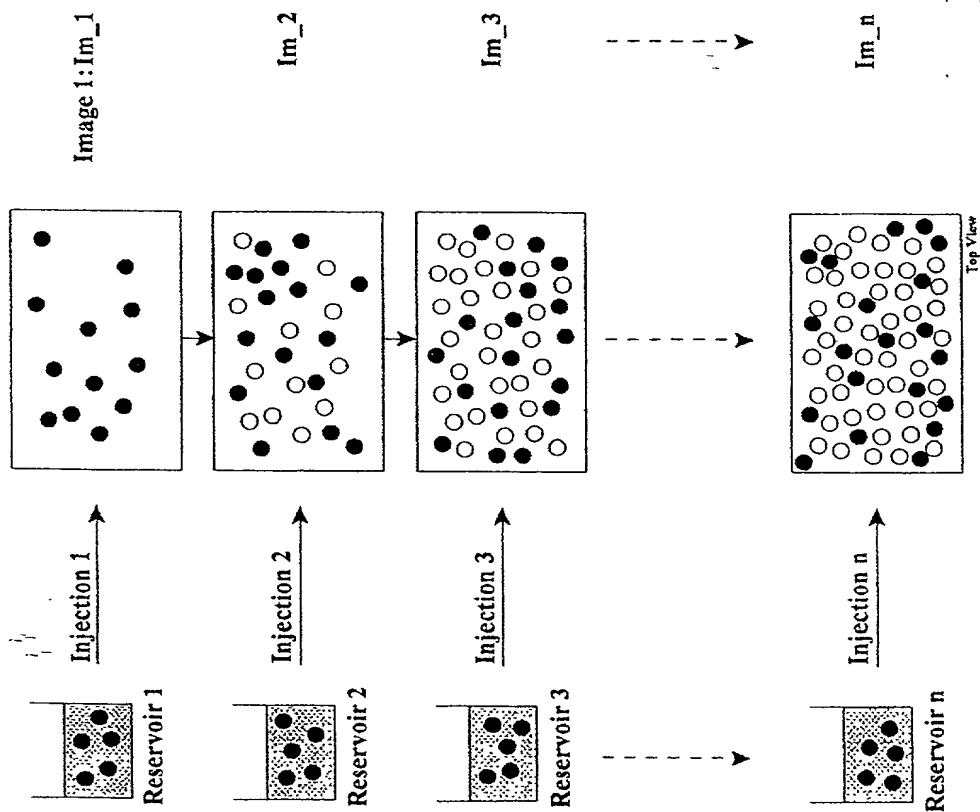


Figure 23

THE

SEQUENTIAL INJECTION & LIGHT-CONTROLLED ARRAY PLACEMENT

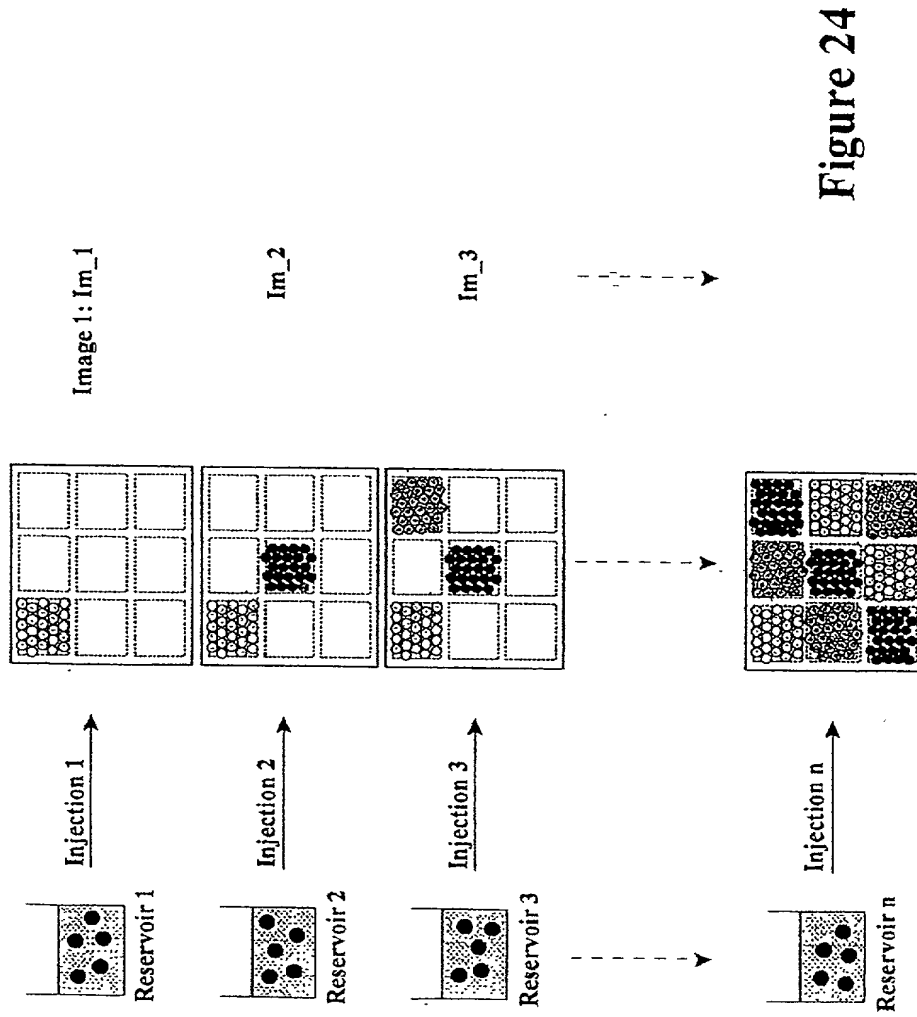
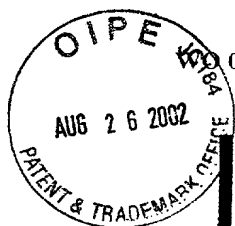


Figure 24



MACRO-TO-MICRO TRANSITION

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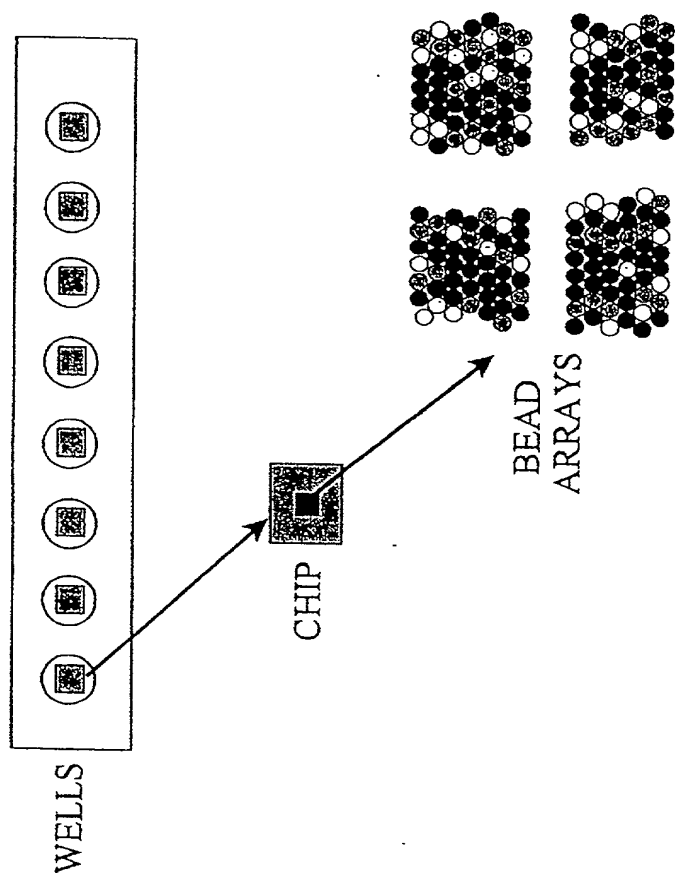


FIG. 25A



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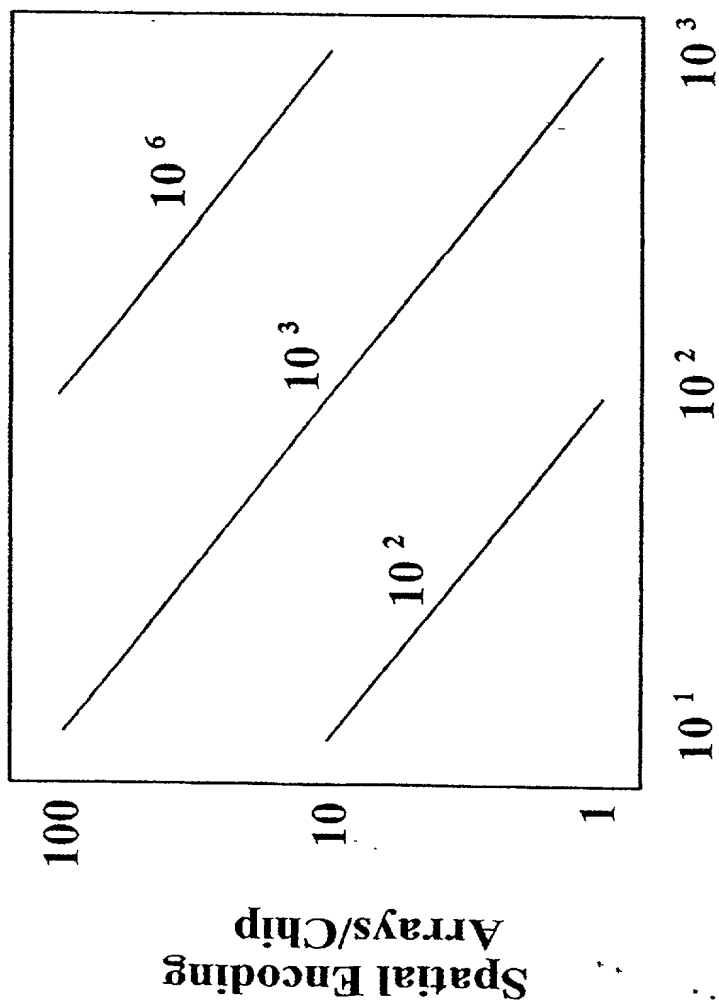
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Chemical Array

ARRAY ENCODING

Lines of Constant Array Complexity



Chemical Encoding
Codes/Array

FIG. 25B

[illegible]

ARRAY ENCODING

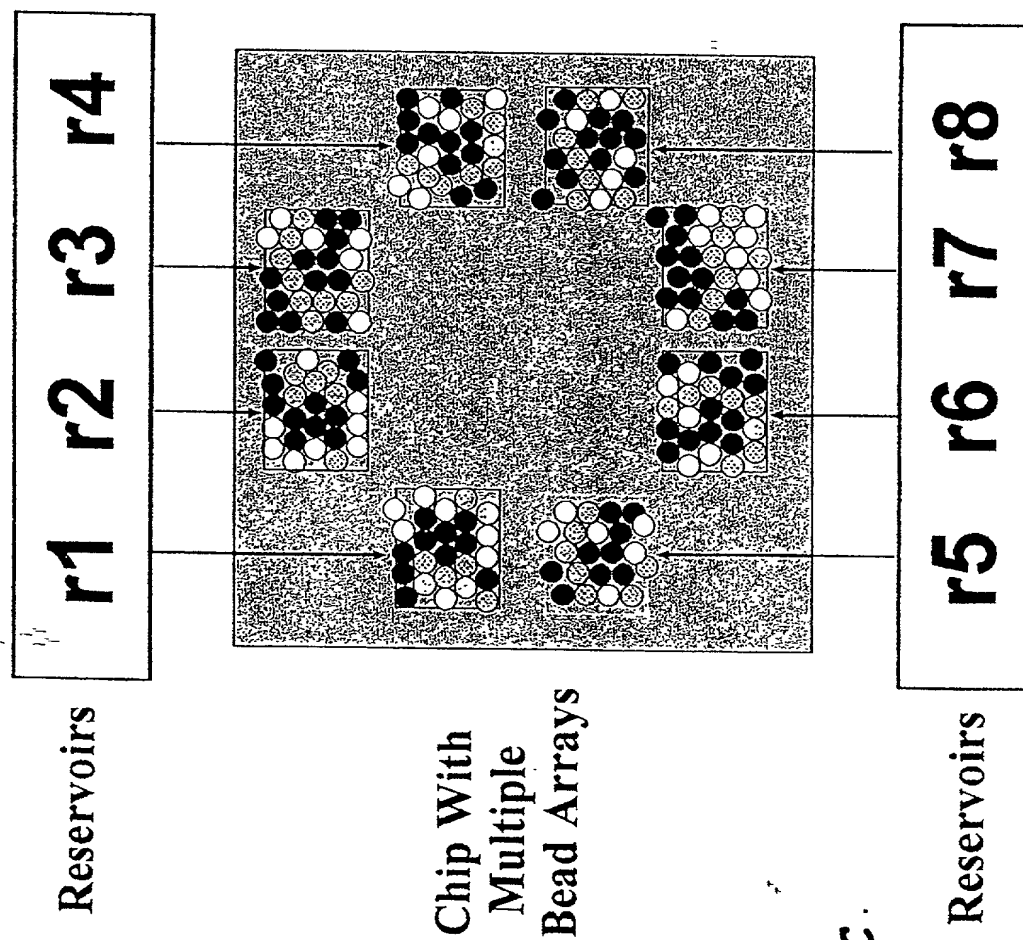
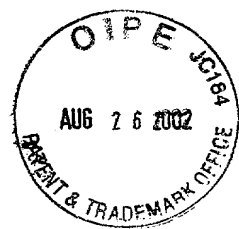


FIG. 25C.



005280 40986001

SEQUENTIAL ASSEMBLY: "BANDING"

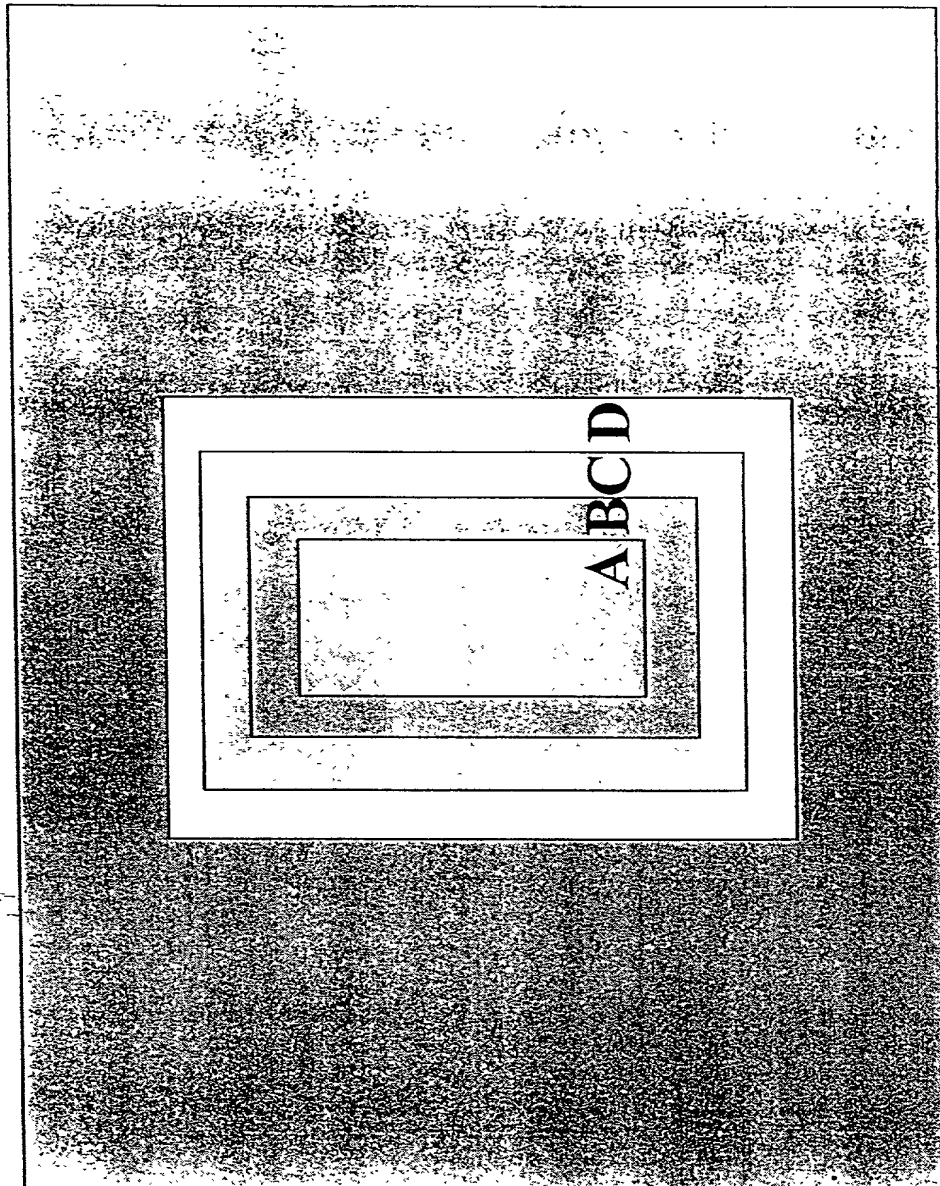


FIG. 26A

4058600

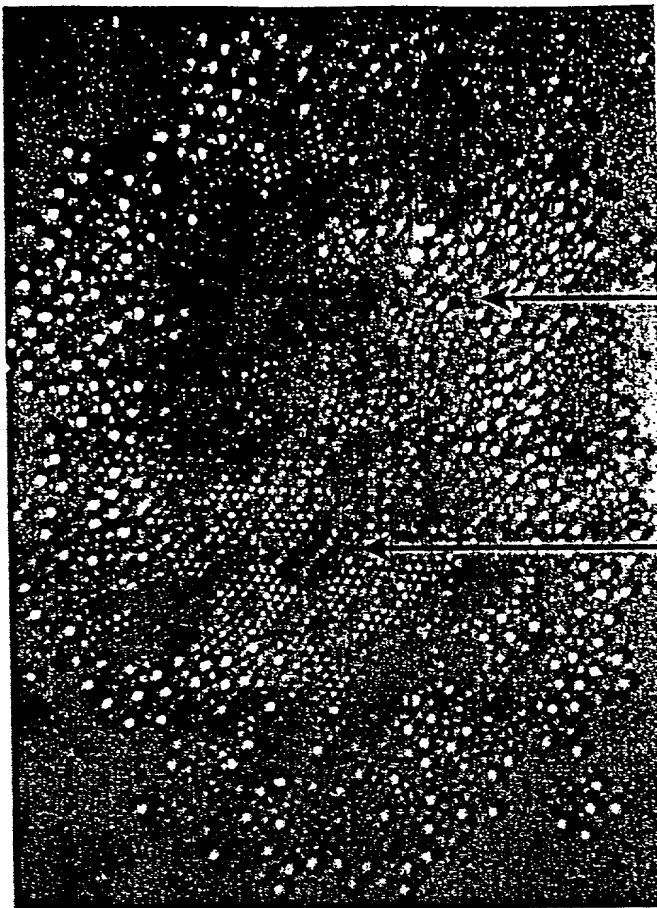
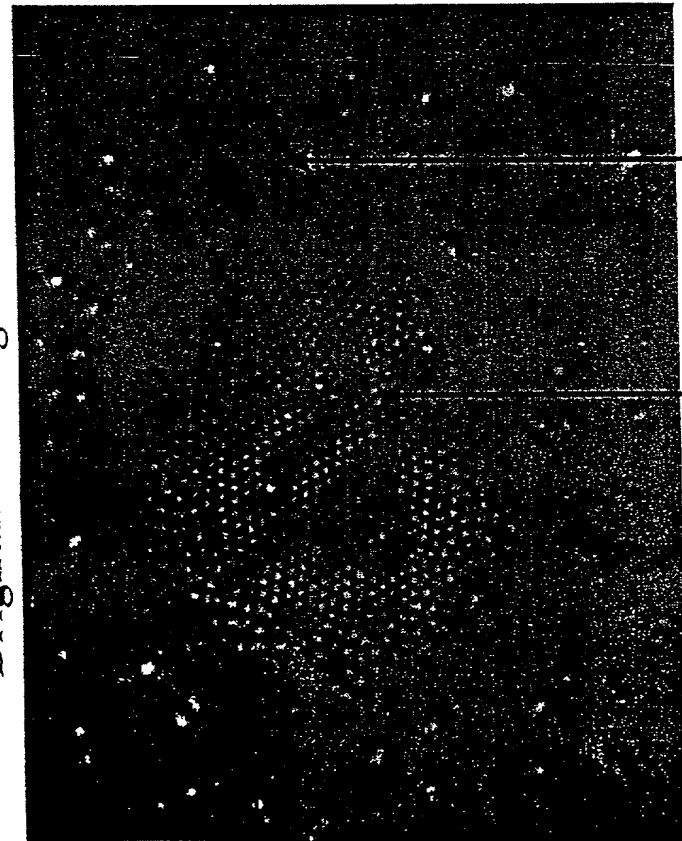


SEQUENTIAL ASSEMBLY: "BANDING"

Mixture of Two Particle Types

Brightfield Image

Darkfield Image



2.8 μm 5.5 μm

2.8 μm 5.5 μm

FIG. 26B



20020826 10585001

LCD PARSE



Figure 27



40566001

ARRAY OF RANDOM SUBARRAYS

A UNIQUE TWO-DIMENSIONAL BAR CODE

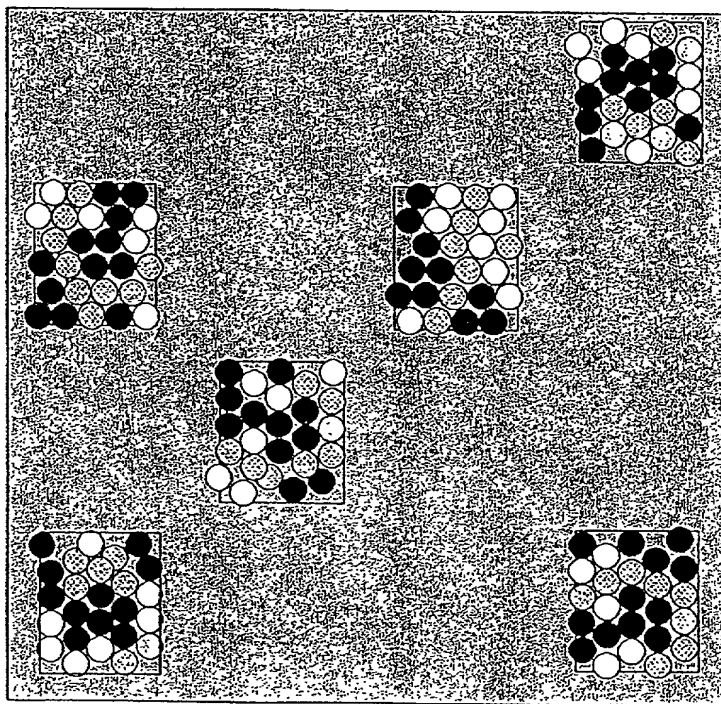


Figure 28



20020826 14:55:00

LIGHT-INDUCED FLUID FLOW

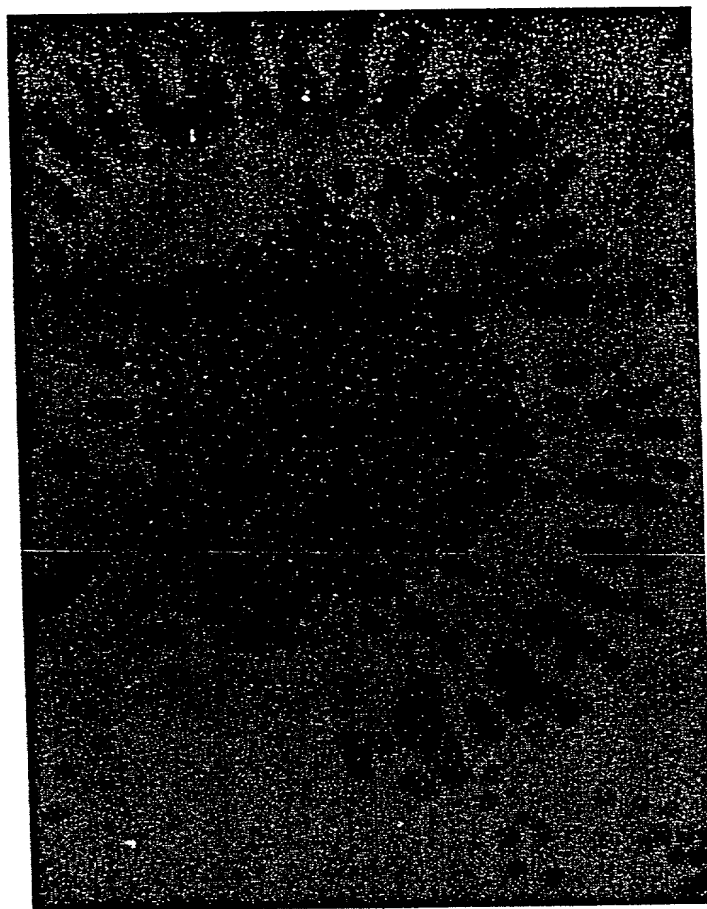


Figure 29